



3 0864 1006 9807 8

MONTANA DEPARTMENT OF FISH, WILDLIFE & PARKS

1995 ARCHERY HUNTING AND HARVEST REPORT

JULY 29, 1996

PREFACE

1995 ARCHERY HUNTING AND HARVEST REPORT

Survey Approach

Resident and nonresident archery permit holders were randomly sampled from our license database. Hunting and harvest data were acquired via telephone for resident license holders and via mail survey for nonresidents.

Definitions

TOTAL HUNTERS.....The number of hunters who hunted one or more days

HUNTER DAYS.....Sum of whole days or portions of days hunted

PERCENT SUCCESS.....The number of successful hunters divided by the
total number of hunters and multiplied by 100

TOTAL KILL.....Estimated total kill for all age/sex classes

Explanations

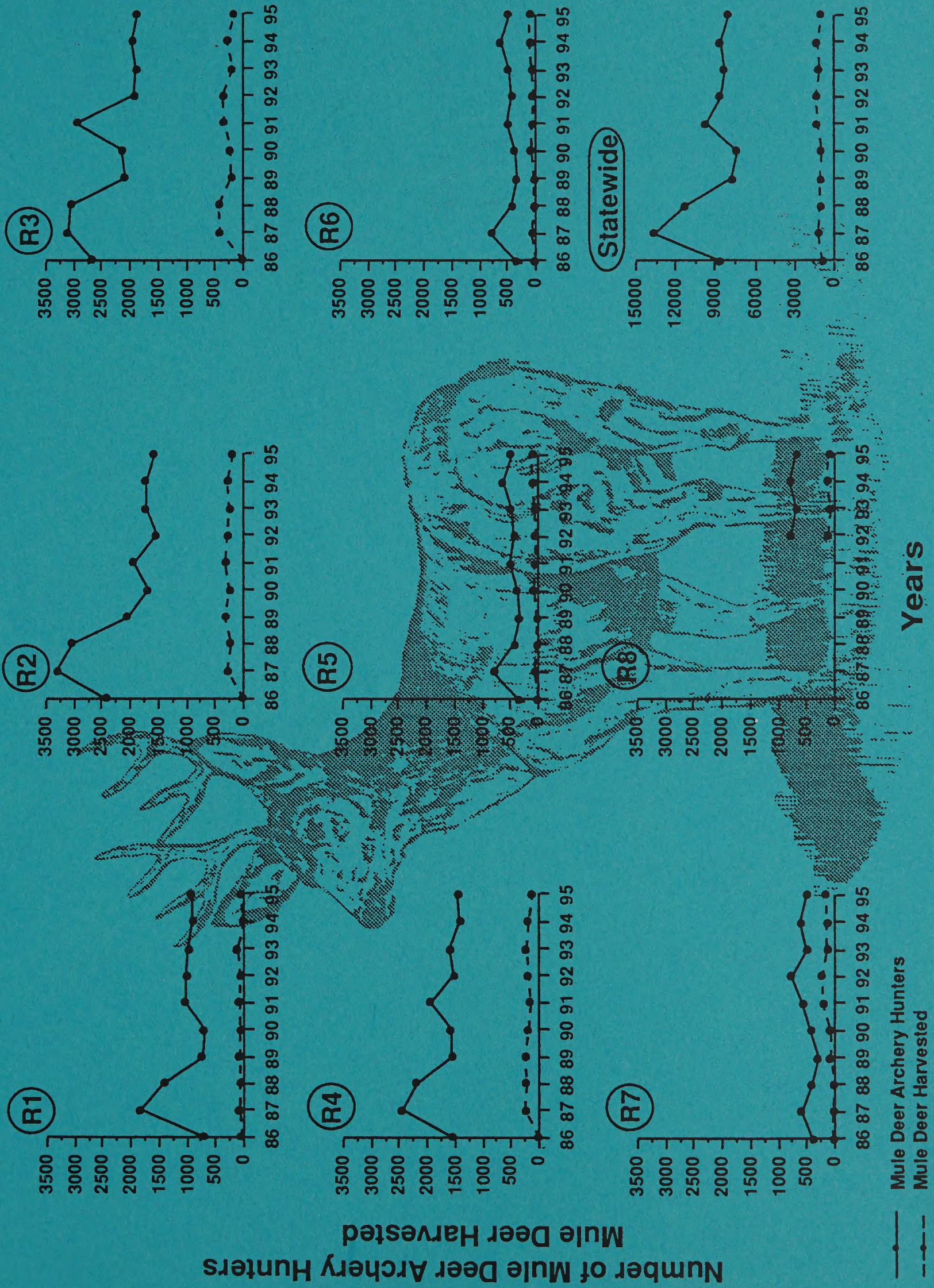
The archery hunting and harvest statistics are estimates made from a sample of 3,282 returned questionnaires representing about 12% of the 26,638 archery permit holders. Due to the small sample size, estimates are reported only at the regional and state level.

The antler statistics for mule deer, white-tailed deer, and elk are actual frequencies within the sample and are not expanded estimates.

All estimates represented are rounded to the nearest whole number. It is for this reason that rows and columns do not always agree exactly with row or column totals given.

In the archery mule and white-tailed deer reports for license years 1987 and 1988, numbers for hunters and hunter days represented deer hunters and were the same for mule deer and for white-tailed deer. Percent success for mule deer and white-tailed deer were separate estimates and were calculated as mule deer or white-tailed deer kill divided by total deer hunters and multiplied by 100. For license years 1989 - 1995, we have asked for days hunted for mule deer and for white-tailed deer separately. Because of this, the estimates for hunters, hunter days, and percent success for the two species are independent and cannot be compared directly with estimates for the years 1987 - 1988.

Number of Mule Deer Archery Hunters Mule Deer Harvested



ARCHERY • Mule Deer

Number of White-tailed Deer Archery Hunters
White-tailed Deer Harvested



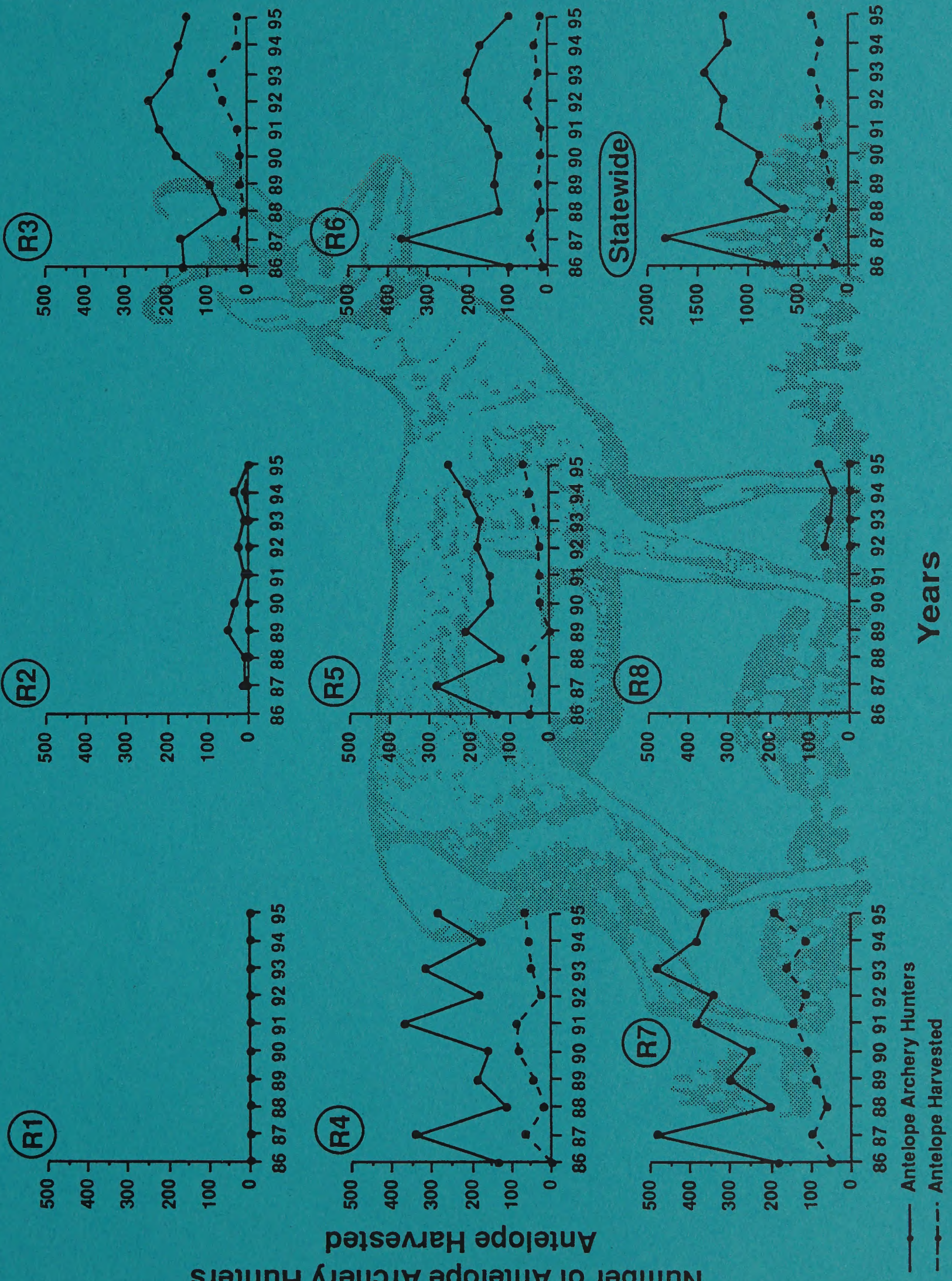
ARCHERY-White-tailed Deer

Number of Elk Archery Hunters



ARCHERY-ELK

Number of Antelope Archery Hunters

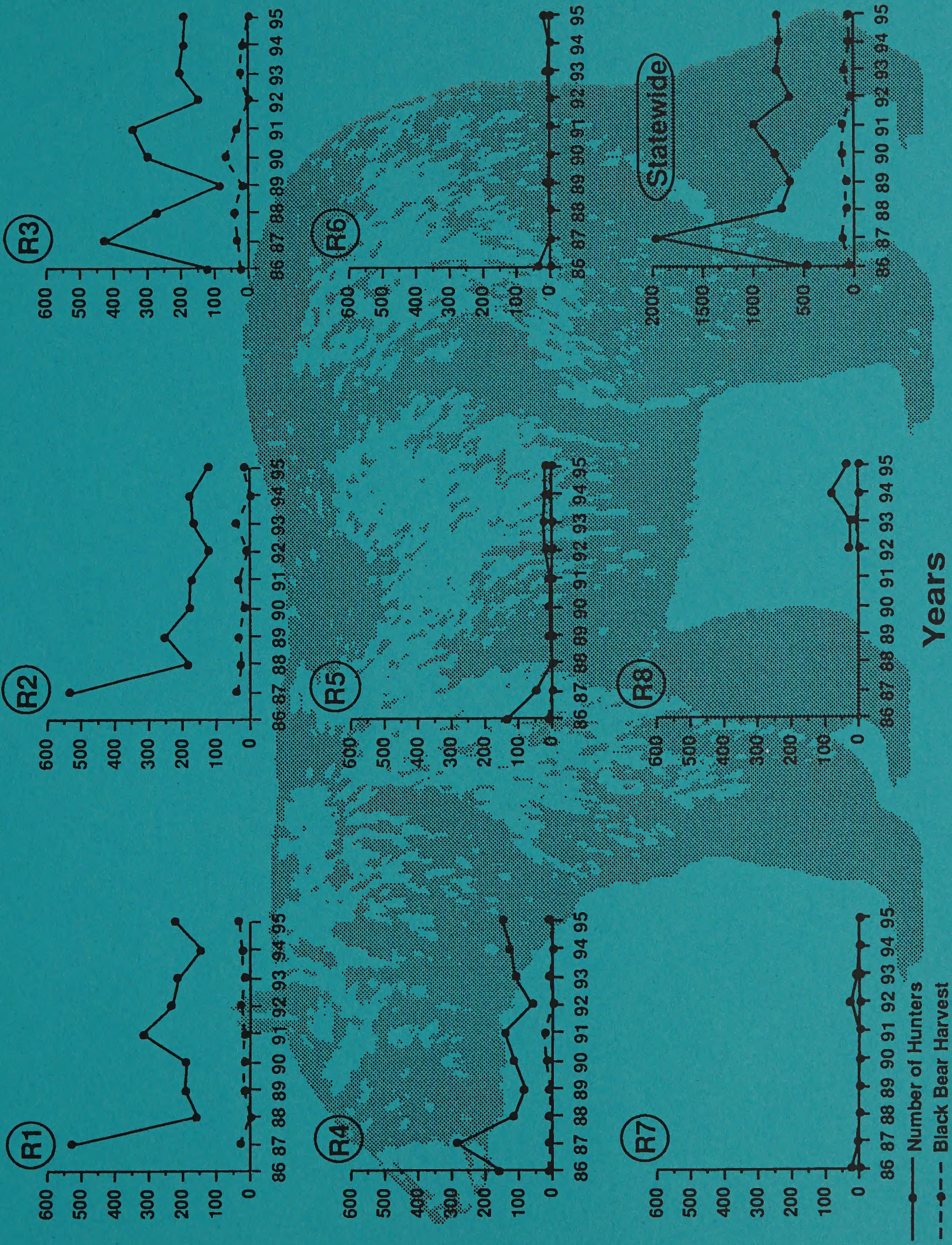


Years

ARCHERY-Antelope

Number of Black Bear Archery Hunters

Black Bear Harvested



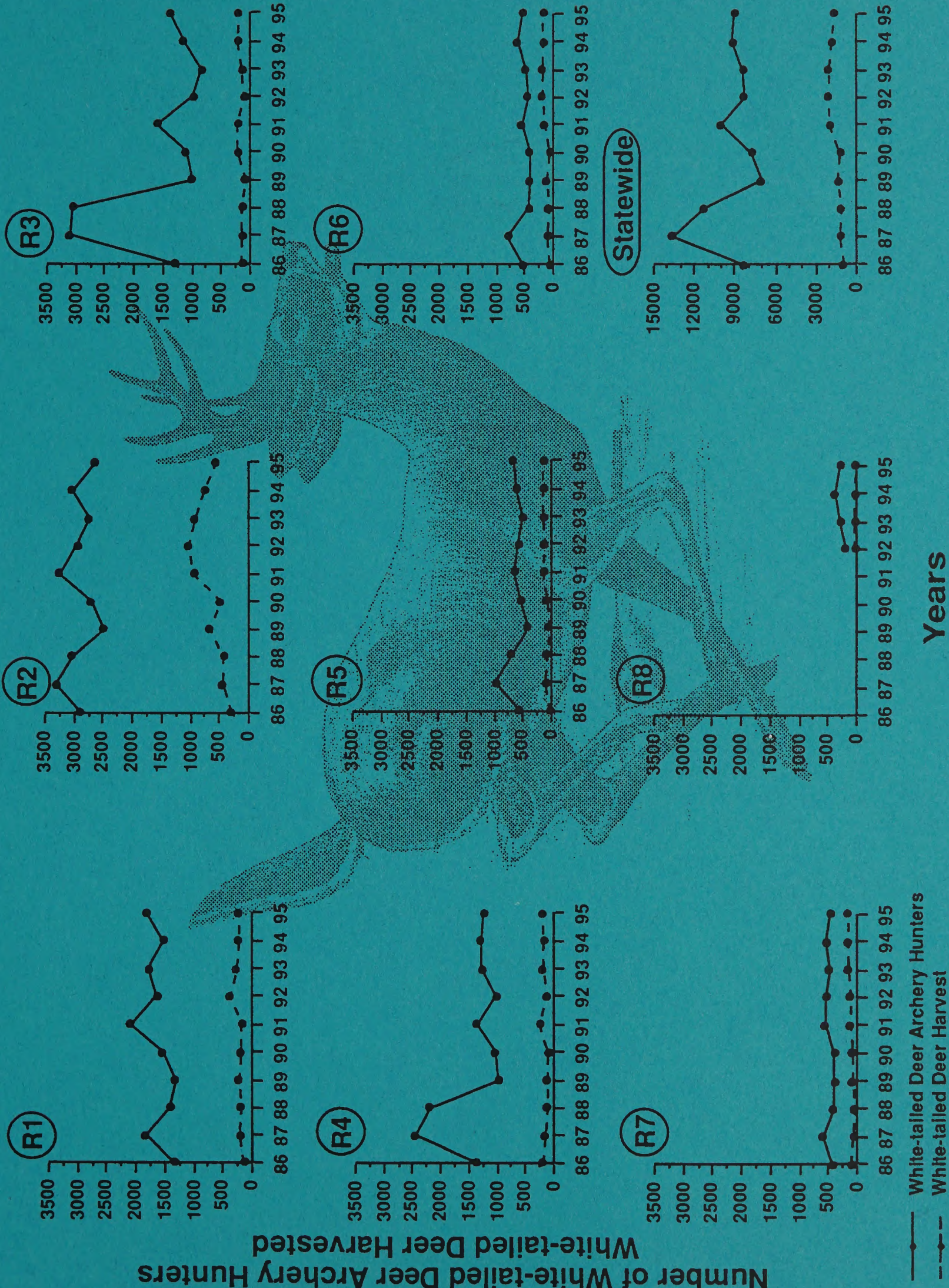
ARCHERY-Black Bear

Number of Mule Deer Archery Hunters Mule Deer Harvested



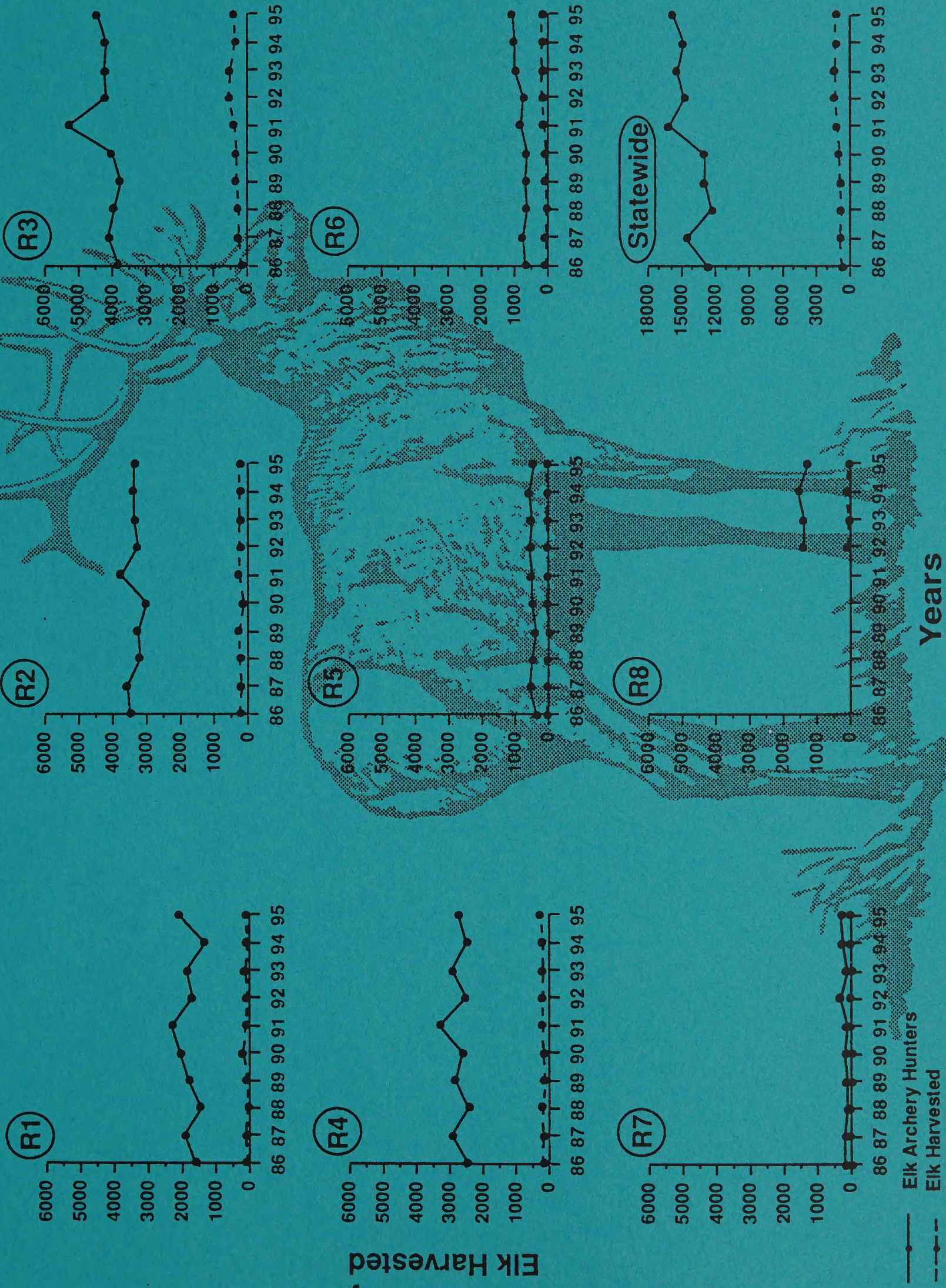
ARCHERY • Mule Deer

Number of White-tailed Deer Archery Hunters
White-tailed Deer Harvested



ARCHERY-White-tailed Deer

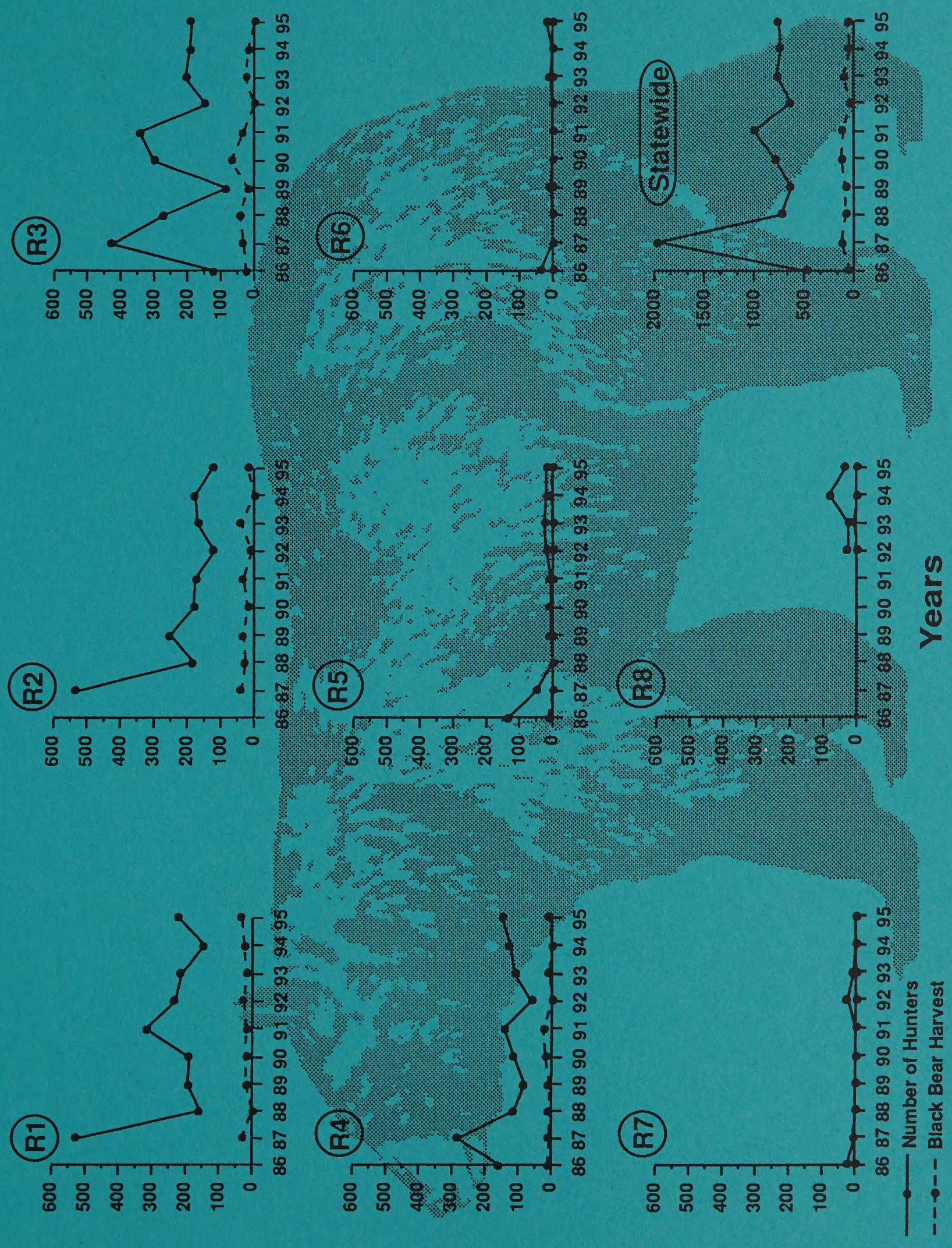
Number of Elk Archery Hunters



ARCHERY-ELK

Number of Black Bear Archery Hunters

Black Bear Harvested



ARCHERY-Black Bear

1995 ARCHERY HUNTING AND HARVEST REPORT

ARCHERY MULE DEER

DISTRICT OR AREA	TOTAL HUNTERS	HUNTER DAYS	PERCENT SUCCESS	ADULT MALE	ADULT FEMALE	AGE/SEX YOUNG UNKNOWN	TOTAL KILL
REGION 1	916	7598	6	49	16	0 0	65
REGION 2	1570	13470	12	123	57	8 0	188
REGION 3	1865	14689	8	41	90	16 0	147
REGION 4	1448	9700	8	74	49	0 0	123
REGION 5	507	3214	18	33	33	16 0	32
REGION 6	491	4466	17	49	33	8 8	98
REGION 7	507	3198	31	74	74	0 0	147
REGION 8	679	5439	14	57	41	0 0	98
UNKNOWN	16	16	0	0	0	0 0	0
STATE	7991	61782	12	499	393	49 8	949

1995 ARCHERY HUNTING AND HARVEST REPORT

ARCHERY WHITETAIL

DISTRICT OR AREA	TOTAL HUNTERS	HUNTER DAYS	PERCENT SUCCESS	ADULT MALE	ADULT FEMALE	AGE/SEX YOUNG	AGE/SEX UNKNOWN	TOTAL KILL
REGION 1	1807	15327	12	82	139	0	0	221
REGION 2	2642	24994	21	180	360	25	0	564
REGION 3	1382	10411	15	65	123	0	0	188
REGION 4	1227	9381	15	49	123	16	0	188
REGION 5	671	5030	21	65	65	8	0	139
REGION 6	532	4384	29	90	74	8	0	172
REGION 7	458	3615	30	33	90	16	8	147
REGION 8	278	2380	3	16	0	0	0	16
UNKNOWN	33	115	0	0	0	0	0	0
STATE	9013	75579	18	581	973	74	8	1636

1995 ARCHERY HUNTING AND HARVEST REPORT

ARCHERY ELK

DISTRICT OR AREA	TOTAL HUNTERS	HUNTER DAYS	PERCENT SUCCESS	ADULT MALE	ADULT FEMALE	YOUNG	AGE/SEX UNKNOWN	TOTAL KILL
REGION 1	2102	16889	6	115	0	0	0	115
REGION 2	3345	28585	7	213	33	0	0	245
REGION 3	4441	35430	8	254	98	25	0	376
REGION 4	2740	19367	10	221	25	16	0	262
REGION 5	442	2609	7	16	8	8	0	33
REGION 6	1071	8539	17	106	57	16	0	180
REGION 7	311	1652	5	16	0	0	0	16
REGION 8	1276	11131	3	33	8	0	0	41
UNKNOWN	82	573	0	0	0	0	0	0
STATE	15769	124488	8	973	229	65	0	1268

1995 ARCHERY HUNTING AND HARVEST REPORT

ARCHERY ANTELOPE

DISTRICT OR AREA	TOTAL HUNTERS	HUNTER DAYS	PERCENT SUCCESS	ADULT MALE	ADULT FEMALE	AGE/SEX YOUNG	AGE/SEX UNKNOWN	TOTAL KILL
REGION 1	0	0	0	0	0	0	0	0
REGION 2	0	0	0	0	0	0	0	0
REGION 3	147	1219	17	25	0	0	0	25
REGION 4	286	1505	23	57	8	0	0	65
REGION 5	254	957	26	49	8	8	0	65
REGION 6	98	957	8	16	0	0	0	16
REGION 7	360	1840	52	115	57	16	0	188
REGION 8	74	442	0	0	0	0	0	0
UNKNOWN	49	180	0	0	0	0	0	0
STATE	1243	7009	28	262	74	25	0	360

1995 ARCHERY HUNTING AND HARVEST REPORT

ARCHERY BEAR

DISTRICT OR AREA	TOTAL HUNTERS	HUNTER DAYS	PERCENT SUCCESS	ADULT MALE	ADULT FEMALE	AGE/SEX YOUNG	AGE/SEX UNKNOWN	TOTAL KILL
REGION 1	221	1799	15	25	8	0	0	33
REGION 2	123	1080	13	8	8	0	0	16
REGION 3	188	2110	0	0	0	0	0	0
REGION 4	147	1235	6	0	8	0	0	8
REGION 5	16	65	0	0	0	0	0	0
REGION 6	16	33	0	0	0	0	0	0
REGION 7	0	0	0	0	0	0	0	0
REGION 8	33	262	0	0	0	0	0	0
UNKNOWN	16	33	0	0	0	0	0	0
STATE	752	6600	8	33	25	0	0	57

1995 ARCHERY MULE DEER ANTLER STATISTICS

REGION 1

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	16.7
2 X 2	1	16.7
3 X 3	1	16.7
4 X 4	1	16.7
5 X 5	2	33.3
TOTAL	6	100.0

MONTANA DEPARTMENT OF FISH, WILDLIFE & PARKS

REGION 2

1995 ARCHERY MULE DEER ANTLER STATISTICS

JULY 23, 1996

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	6.7
2 X 2	2	33.3
3 X 3	2	33.3
4 X 4	2	33.3
5 X 5	1	16.7
6 X 6	1	16.7
TOTAL	15	100.0

REGION 3

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	20.0
2 X 2	2	40.0
4 X 3	1	20.0
4 X 4	1	20.0
TOTAL	5	100.0

REGION 4

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	11.1
2 X 2	2	22.2
3 X 3	1	11.1
4 X 3	1	11.1
4 X 4	2	22.2
TOTAL	7	100.0

1995 ARCHERY MULE DEER ANTLER STATISTICS

REGION 1

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	16.7
2 X 2	1	16.7
3 X 3	1	16.7
4 X 4	1	16.7
5 X 5	2	33.3
TOTAL	6	100.0

REGION 2

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	6.7
2 X 2	5	33.3
3 X 2	2	13.3
3 X 3	3	20.0
4 X 3	1	6.7
4 X 4	3	20.0
TOTAL	15	100.0

REGION 3

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	20.0
2 X 2	2	40.0
4 X 3	1	20.0
4 X 4	1	20.0
TOTAL	5	100.0

REGION 4

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	11.1
2 X 2	3	33.3
3 X 2	1	11.1
4 X 3	1	11.1
4 X 4	3	33.3
TOTAL	9	100.0

1995 ARCHERY MULE DEER ANTLER STATISTICS

REGION 5

ANTLER TYPE	FREQUENCY	PERCENT
2 X 2	1	20.0
3 X 2	1	20.0
4 X 3	1	20.0
4 X 4	2	40.0
TOTAL	5	100.0

REGION 6

ANTLER TYPE	FREQUENCY	PERCENT
3 X 2	1	20.0
4 X 4	1	20.0
5 X 4	1	20.0
5 X 5	1	20.0
6 X 5	1	20.0
TOTAL	5	100.0

REGION 7

ANTLER TYPE	FREQUENCY	PERCENT
3 X 2	1	11.1
4 X 3	1	11.1
4 X 4	2	22.2
5 X 4	3	33.3
5 X 5	2	22.2
TOTAL	9	100.0

REGION 8

ANTLER TYPE	FREQUENCY	PERCENT
2 X 2	3	42.9
3 X 3	2	28.6
4 X 4	1	14.3
5 X 5	1	14.3
TOTAL	7	100.0

1995 ARCHERY MULE DEER ANTLER STATISTICS

REGION UNKNOWN

ANTLER TYPE	FREQUENCY	PERCENT
TOTAL	0	100.0

STATE

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	4	6.6
2 X 2	15	24.6
3 X 2	6	9.8
3 X 3	6	9.8
4 X 3	5	8.2
4 X 4	14	23.0
5 X 4	4	6.6
5 X 5	6	9.8
6 X 5	1	1.6
TOTAL	61	100.0

1995 ARCHERY WHITETAIL DEER ANTLER STATISTICS

REGION 1

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	10.0
2 X 2	3	30.0
3 X 3	2	20.0
4 X 4	5	50.0
TOTAL	10	100.0

MONTANA DEPARTMENT OF FISH, WILDLIFE & PARKS

REGION 2

1995 ARCHERY WHITETAIL DEER ANTLER STATISTICS

JULY 23, 1996

ANTLER TYPE	FREQUENCY	PERCENT
0 X 0	1	4.3
1 X 0	1	4.3
2 X 1	2	8.7
2 X 2	4	17.4
3 X 2	3	13.0
3 X 3	5	21.7
4 X 0	1	4.3
4 X 1	6	26.1
5 X 1	2	8.7
5 X 2	1	4.3
TOTAL	23	100.0

REGION 3

ANTLER TYPE	FREQUENCY	PERCENT
2 X 3	1	12.5
4 X 3	1	12.5
4 X 4	2	25.0
4 X 5	1	12.5
5 X 4	1	12.5
5 X 5	1	12.5
6 X 5	1	12.5
TOTAL	8	100.0

1995 ARCHERY WHITETAIL DEER ANTLER STATISTICS

REGION 1

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	10.0
3 X 2	1	10.0
3 X 3	3	30.0
4 X 4	5	50.0
TOTAL	10	100.0

REGION 2

ANTLER TYPE	FREQUENCY	PERCENT
0 X 0	1	4.3
1 X 0	1	4.3
1 X 1	2	8.7
2 X 2	4	17.4
3 X 2	2	8.7
3 X 3	5	21.7
4 X 0	1	4.3
4 X 4	4	17.4
5 X 4	2	8.7
5 X 5	1	4.3
TOTAL	23	100.0

REGION 3

ANTLER TYPE	FREQUENCY	PERCENT
3 X 3	1	12.5
4 X 2	1	12.5
4 X 3	2	25.0
4 X 4	1	12.5
5 X 4	1	12.5
5 X 5	1	12.5
6 X 5	1	12.5
TOTAL	8	100.0

1995 ARCHERY WHITETAIL DEER ANTLER STATISTICS

REGION 4

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	14.3
3 X 3	2	28.6
4 X 4	3	42.9
6 X 5	1	14.3
TOTAL	7	100.0

REGION 5

ANTLER TYPE	FREQUENCY	PERCENT
3 X 3	1	12.5
4 X 3	1	12.5
4 X 4	3	37.5
5 X 4	1	12.5
5 X 5	1	12.5
6 X 6	1	12.5
TOTAL	8	100.0

REGION 6

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	9.1
3 X 3	1	9.1
4 X 2	1	9.1
4 X 3	1	9.1
4 X 4	3	27.3
5 X 5	4	36.4
TOTAL	11	100.0

REGION 7

ANTLER TYPE	FREQUENCY	PERCENT
4 X 4	3	75.0
5 X 5	1	25.0
TOTAL	4	100.0

1995 ARCHERY WHITETAIL DEER ANTLER STATISTICS

REGION 8

ANTLER TYPE	FREQUENCY	PERCENT
4 X 4	1	50.0
5 X 5	1	50.0
TOTAL	2	100.0

REGION UNKNOWN

ANTLER TYPE	FREQUENCY	PERCENT
TOTAL	0	100.0

STATE

ANTLER TYPE	FREQUENCY	PERCENT
0 X 0	1	1.4
1 X 0	1	1.4
1 X 1	5	6.8
2 X 2	4	5.5
3 X 2	3	4.1
3 X 3	13	17.8
4 X 0	1	1.4
4 X 2	2	2.7
4 X 3	4	5.5
4 X 4	23	31.5
5 X 4	4	5.5
5 X 5	9	12.3
6 X 5	2	2.7
6 X 6	1	1.4
TOTAL	73	100.0

1995 ARCHERY ELK ANTLER STATISTICS

REGION 1

ANTLER TYPE	FREQUENCY	PERCENT
6 X 5	5	28.6
6 X 6	1	5.3
6 X 6	8	42.1
7 X 6	2	10.5
7 X 7	2	10.5
TOTAL	18	100.0

MONTANA DEPARTMENT OF FISH, WILDLIFE & PARKS

REGION 2

1995 ARCHERY ELK ANTLER STATISTICS

JULY 23, 1996

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	2	8.7
4 X 2	2	8.7
5 X 1	1	4.3
5 X 2	3	11.5
5 X 5	7	26.9
6 X 5	3	11.5
6 X 6	4	15.4
7 X 6	2	7.7
TOTAL	23	100.0

REGION 3

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	4	12.1
4 X 1	5	12.1
5 X 1	1	2.0
5 X 5	13	30.2
6 X 5	4	9.3
6 X 6	7	16.3
7 X 5	1	2.0
TOTAL	33	100.0

1995 ARCHERY ELK ANTLER STATISTICS

REGION 1

ANTLER TYPE	FREQUENCY	PERCENT
5 X 5	4	28.6
6 X 5	2	14.3
6 X 6	5	35.7
7 X 6	2	14.3
7 X 7	1	7.1
TOTAL	14	100.0

REGION 2

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	2	7.7
4 X 3	2	7.7
5 X 1	1	3.8
5 X 4	3	11.5
5 X 5	7	26.9
6 X 5	2	7.7
6 X 6	7	26.9
7 X 6	2	7.7
TOTAL	26	100.0

REGION 3

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	4	12.1
4 X 4	4	12.1
5 X 4	1	3.0
5 X 5	12	36.4
6 X 5	4	12.1
6 X 6	7	21.2
7 X 7	1	3.0
TOTAL	33	100.0

1995 ARCHERY ELK ANTLEER STATISTICS

REGION 4

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	1	3.6
2 X 2	1	3.6
3 X 3	1	3.6
4 X 1	1	3.6
5 X 4	2	7.1
5 X 5	4	14.3
6 X 5	2	7.1
6 X 6	10	35.7
7 X 4	1	3.6
7 X 5	1	3.6
7 X 6	2	7.1
7 X 7	1	3.6
8 X 6	1	3.6
TOTAL	28	100.0

REGION 5

ANTLER TYPE	FREQUENCY	PERCENT
6 X 5	1	33.3
6 X 6	1	33.3
7 X 6	1	33.3
TOTAL	3	100.0

REGION 6

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	5	35.7
2 X 1	1	7.1
2 X 2	1	7.1
3 X 2	1	7.1
5 X 4	1	7.1
6 X 6	5	35.7
TOTAL	14	100.0

1995 ARCHERY ELK ANTLER STATISTICS

REGION 7

ANTLER TYPE	FREQUENCY	PERCENT
5 X 5	1	50.0
7 X 6	1	50.0
TOTAL	2	100.0

REGION 8

ANTLER TYPE	FREQUENCY	PERCENT
5 X 4	2	50.0
5 X 5	2	50.0
TOTAL	4	100.0

REGION UNKNOWN

ANTLER TYPE	FREQUENCY	PERCENT
TOTAL	0	100.0

STATE

ANTLER TYPE	FREQUENCY	PERCENT
1 X 1	12	9.7
2 X 1	1	0.8
2 X 2	2	1.6
3 X 2	1	0.8
3 X 3	1	0.8
4 X 1	1	0.8
4 X 3	2	1.6
4 X 4	4	3.2
5 X 1	1	0.8
5 X 4	9	7.3
5 X 5	30	24.2
6 X 5	11	8.9
6 X 6	35	28.2
7 X 4	1	0.8
7 X 5	1	0.8
7 X 6	8	6.5
7 X 7	3	2.4
8 X 6	1	0.8
TOTAL	124	100.0

